

Confidentiality Requested:

Yes No

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION**

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

**WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

Deepening Re-perf. Conv. to EOR Conv. to SWD
 Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Recompletion Date _____ Date Reached TD _____ Completion Date or Recompletion Date _____

API No.: _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
--	---

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
---	---	------------------------------------

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
----------------	-------	---------	------------	--

Form	ACO1 - Well Completion
Operator	Farmer, John O., Inc.
Well Name	DESAIR UNIT 1
Doc ID	1603705

All Electric Logs Run

Compensated Density/Neutron Log
Dual Induction Log
Micro Log
Cement Bond Log

Form	ACO1 - Well Completion
Operator	Farmer, John O., Inc.
Well Name	DESAIR UNIT 1
Doc ID	1603705

Tops

Name	Top	Datum
Anhydrite	1764'	(+522)
Topeka	3234'	(-948)
Heebner	3445'	(-1159)
Toronto	3469'	(-1183)
Lansing	3484'	(-1198)
Base/KC	3698'	(-1412)
Arbuckle	3804'	(-1518)
L.T.D.	3871'	(-1585)



Discovery Drilling

P.O. Box 763 • Hays, KS 67601 • OFFICE (785) 623-2920 • CELLULAR (785) 635-1511

DRILLER'S LOG

Operator: John O. Farmer, Inc. Lic# 5135 Contractor: Discovery Drilling Co., Inc. LIC#31548
370 West Wichita Avenue - P.O. Box 352 PO Box 763
Russell, KS 67665 + 0352 Hays, KS 67601

Lease: Desair Unit # 1 Location: 2720 FSL - 1235 FEL
SW/SW/SE/NE
Section 9/ 9S/ 21W
Graham County, KS

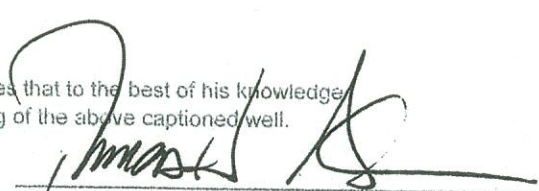
Loggers Total Depth: 3871' API#15- 065-24,203-00-00
Rotary Total Depth: 3870' Elevation: 2278 GL - 2286 KB
Commenced: 9/1/2021 Completed: 9/10/2021
Casing: 8 5/8" @ 221.96' W/150sks Status: Oil Well
5 1/2" @ 3866' W/130sks
(Port Collar @ 1767')

DEPTHS & FORMATIONS (All from KB)

Surface, Sand & Shales	<u>0'</u>	Shale	<u>1798'</u>
Dakota Sand	<u>856'</u>	Shale & Lime	<u>2179'</u>
Shale	<u>951'</u>	Shale	<u>2485'</u>
Cader Hill Sand	<u>1008'</u>	Shale & Lime	<u>2761'</u>
Red Bed Shale	<u>1196'</u>	Lime & Shale	<u>3450'</u>
Anhydrite	<u>1765'</u>	RTD	<u>3870'</u>
Base Anhydrite	<u>1798'</u>		

STATE OF KANSAS)
) ss
COUNTY OF ELLIS)


Thomas H. Alm of Discovery Drilling states that to the best of his knowledge the above and foregoing is a true and correct log of the above captioned well.

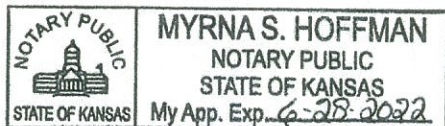

Thomas H. Alm

Subscribed and sworn to before me on 9-15-2021

My Commission expires: 6-28-2022

(Place stamp or seal below)


Notary Public





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

John O Farmer Inc.

8/9s/21w Graham KS

370 Wichita Ave
PO Box 352
Russell, KS 67665
ATTN: Austin Klaus

Desair Unit #1

Job Ticket: 66702

DST#: 1

Test Start: 2021.09.09 @ 12:18:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:01:36

Time Test Ended: 18:28:36

Test Type: Conventional Straddle (Initial)

Tester: James Winder

Unit No: 73

Interval: 3808.00 ft (KB) To 3820.00 ft (KB) (TVD)

Reference Elevations: 2286.00 ft (KB)

Total Depth: 3870.00 ft (KB) (TVD)

2278.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6771 Inside

Press@RunDepth: 189.26 psig @ 3809.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2021.09.09

End Date: 2021.09.09

Last Calib.: 2021.09.09

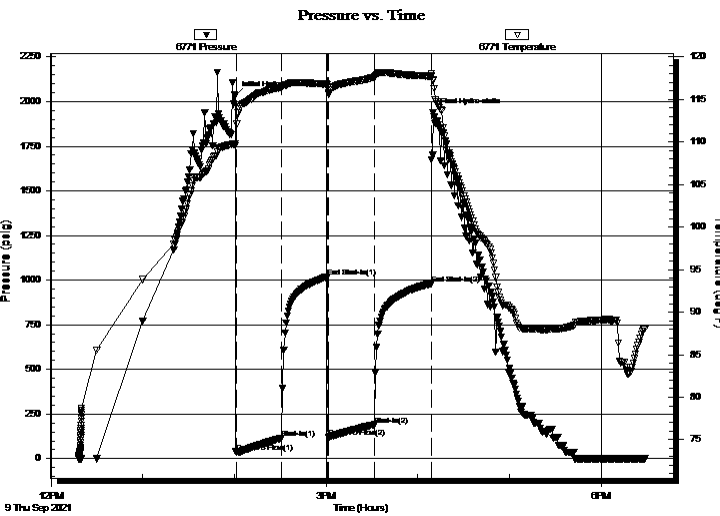
Start Time: 12:18:01

End Time: 18:28:36

Time On Btm: 2021.09.09 @ 14:00:36

Time Off Btm: 2021.09.09 @ 16:10:06

TEST COMMENT: 30 - IF: Blow built to BOB (11") at 7 1/4 min., built to 23 1/4"
30 - IS: Blow back built to 1/2"
30 - FF: Blow built to BOB at 17 1/4 min., built to 14"
30 - FS: Blow back built to 1/2"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2033.70	109.80	Initial Hydro-static
1	34.58	112.10	Open To Flow (1)
31	114.53	116.41	Shut-In(1)
61	1017.75	116.78	End Shut-In(1)
62	120.52	115.63	Open To Flow (2)
91	189.26	117.63	Shut-In(2)
129	980.37	117.74	End Shut-In(2)
130	1939.54	117.22	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
63.00	GMO 49%o, 40%m, 11%g	0.60
472.00	SMCGO 85%o, 13%g, 2%m	6.62
0.00	GIP = 31'+	0.00

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

John O Farmer Inc.

8/9s/21w Graham KS

370 Wichita Ave
 PO Box 352
 Russell, KS 67665
 ATTN: Austin Klaus

Desair Unit #1

Job Ticket: 66702

DST#: 1

Test Start: 2021.09.09 @ 12:18:00

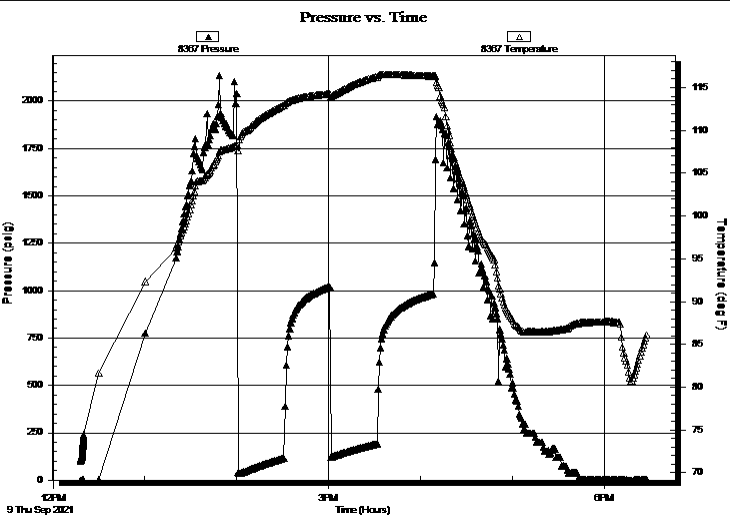
GENERAL INFORMATION:

Formation:	Arbuckle		
Deviated:	No Whipstock:	ft (KB)	Test Type: Conventional Straddle (Initial)
Time Tool Opened:	14:01:36		Tester: James Winder
Time Test Ended:	18:28:36		Unit No: 73
Interval:	3808.00 ft (KB) To 3820.00 ft (KB) (TVD)		Reference Elevations: 2286.00 ft (KB)
Total Depth:	3870.00 ft (KB) (TVD)		2278.00 ft (CF)
Hole Diameter:	7.88 inches	Hole Condition: Fair	KB to GR/CF: 8.00 ft

Serial #: 8367 Outside

Press@RunDepth:	psig @ 3809.00 ft (KB)	Capacity:	8000.00 psig
Start Date:	2021.09.09	End Date:	2021.09.09
Start Time:	12:18:01	End Time:	18:28:21
		Last Calib.:	2021.09.09
		Time On Btm:	
		Time Off Btm:	

TEST COMMENT: 30 - IF: Blow built to BOB (11") at 7 1/4 min., built to 23 1/4"
 30 - IS: Blow back built to 1/2"
 30 - FF: Blow built to BOB at 17 1/4 min., built to 14"
 30 - FS: Blow back built to 1/2"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
63.00	GMO 49%o, 40%m, 11%g	0.60
472.00	SMCGO 85%o, 13%g, 2%m	6.62
0.00	GIP = 31'+	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

John O Farmer Inc.

8/9s/21w Graham KS

370 Wichita Ave
PO Box 352
Russell, KS 67665
ATTN: Austin Klaus

Desair Unit #1

Job Ticket: 66702

DST#: 1

Test Start: 2021.09.09 @ 12:18:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:01:36

Time Test Ended: 18:28:36

Test Type: Conventional Straddle (Initial)

Tester: James Winder

Unit No: 73

Interval: 3808.00 ft (KB) To 3820.00 ft (KB) (TVD)

Reference Elevations: 2286.00 ft (KB)

Total Depth: 3870.00 ft (KB) (TVD)

2278.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8700 Inside

Press@RunDepth: psig @ 3821.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2021.09.09 End Date: 2021.09.09

Last Calib.: 2021.09.09

Start Time: 12:18:01 End Time: 18:28:06

Time On Btm:

Time Off Btm:

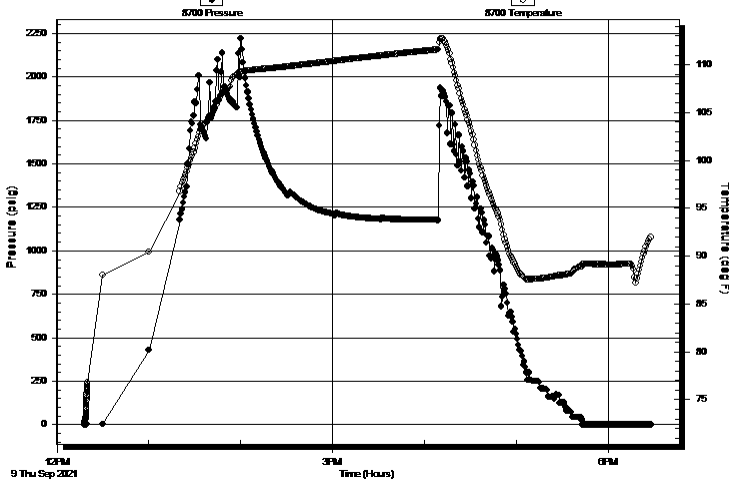
TEST COMMENT: 30 - IF: Blow built to BOB (11") at 7 1/4 min., built to 23 1/4"

30 - IS: Blow back built to 1/2"

30 - FF: Blow built to BOB at 17 1/4 min., built to 14"

30 - FS: Blow back built to 1/2"

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
63.00	GMO 49%o, 40%m, 11%g	0.60
472.00	SMCGO 85%o, 13%g, 2%m	6.62
0.00	GIP = 31'+	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc.

8/9s/21w Graham KS

370 Wichita Ave
PO Box 352
Russell, KS 67665
ATTN: Austin Klaus

Desair Unit #1

Job Ticket: 66702

DST#: 1

Test Start: 2021.09.09 @ 12:18:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 60.00 sec/qt
Water Loss: 5.80 in³
Resistivity: ohm.m
Salinity: 1000.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: 24.6 deg API
Water Salinity: ppm

Recovery Information

Recovery Table

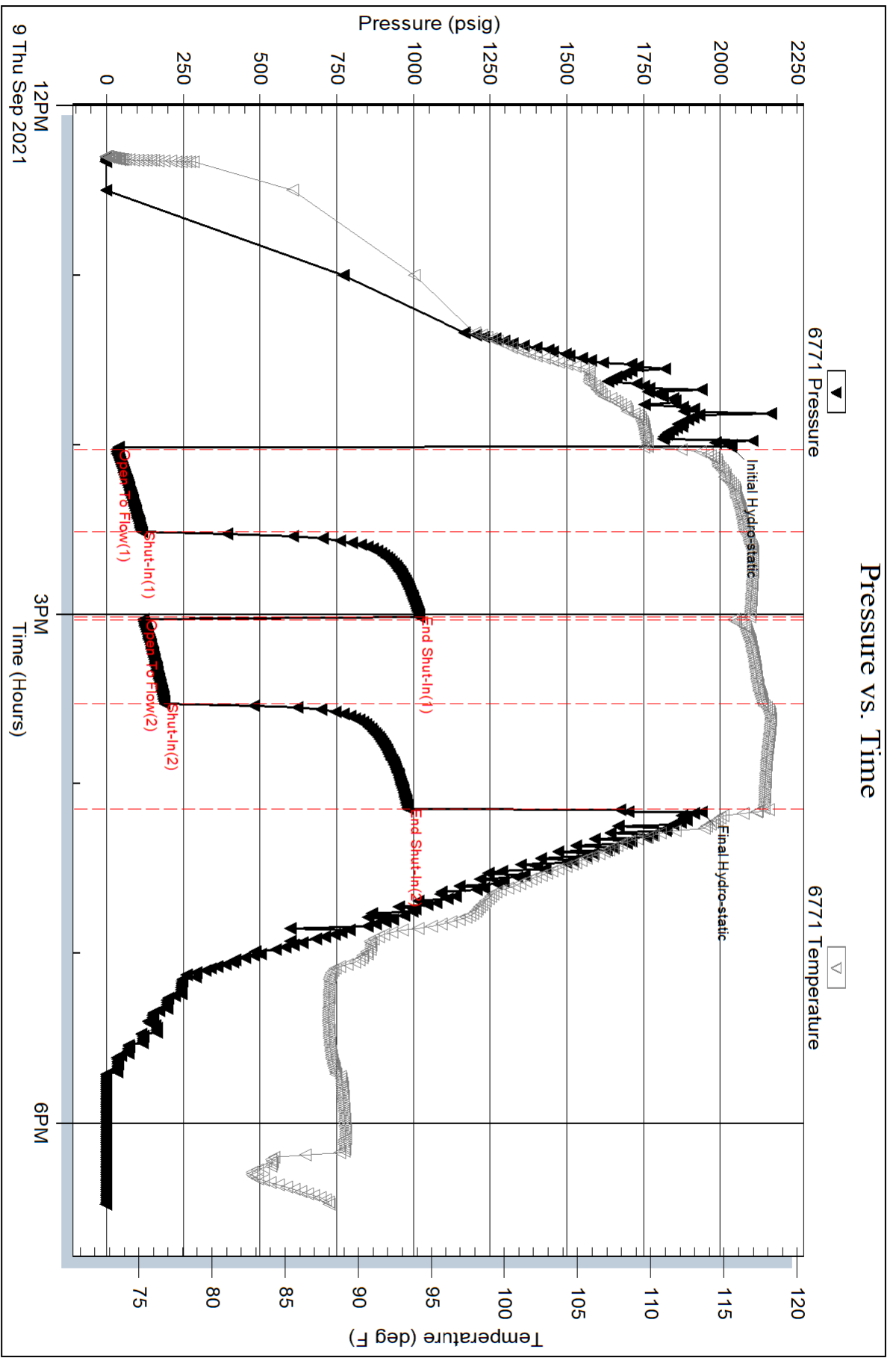
Length ft	Description	Volume bbl
63.00	GMO 49%o, 40%m, 11%g	0.601
472.00	SMCGO 85%o, 13%g, 2%m	6.621
0.00	GIP = 31'+	0.000

Total Length: 535.00 ft Total Volume: 7.222 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: Gravity = 28.4 api @ 98 deg F Corrected Gravity = 24.6 api

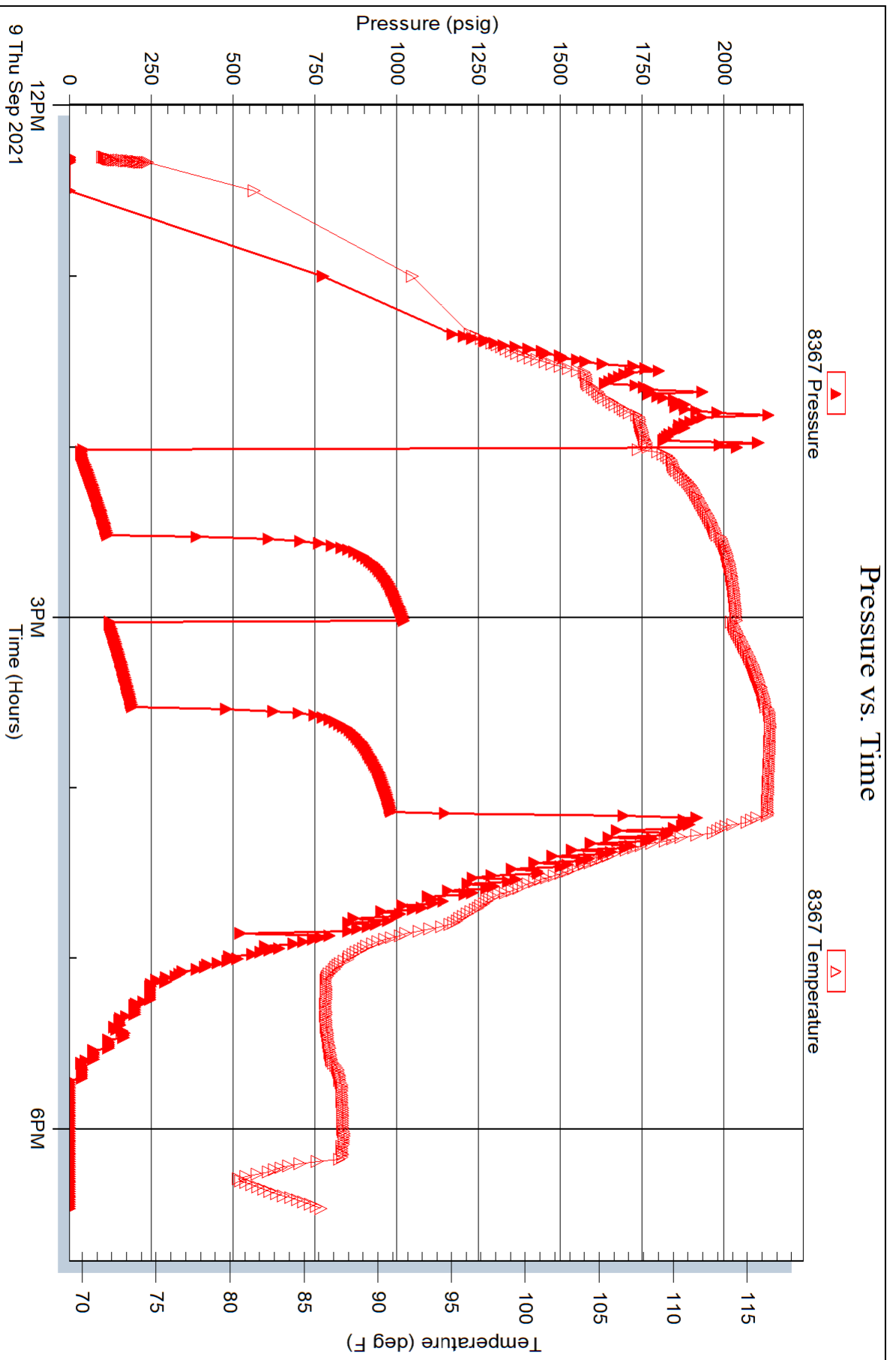


Serial #: 8367

Outside John O Farmer Inc.

Desair Unit #1

DST Test Number: 1



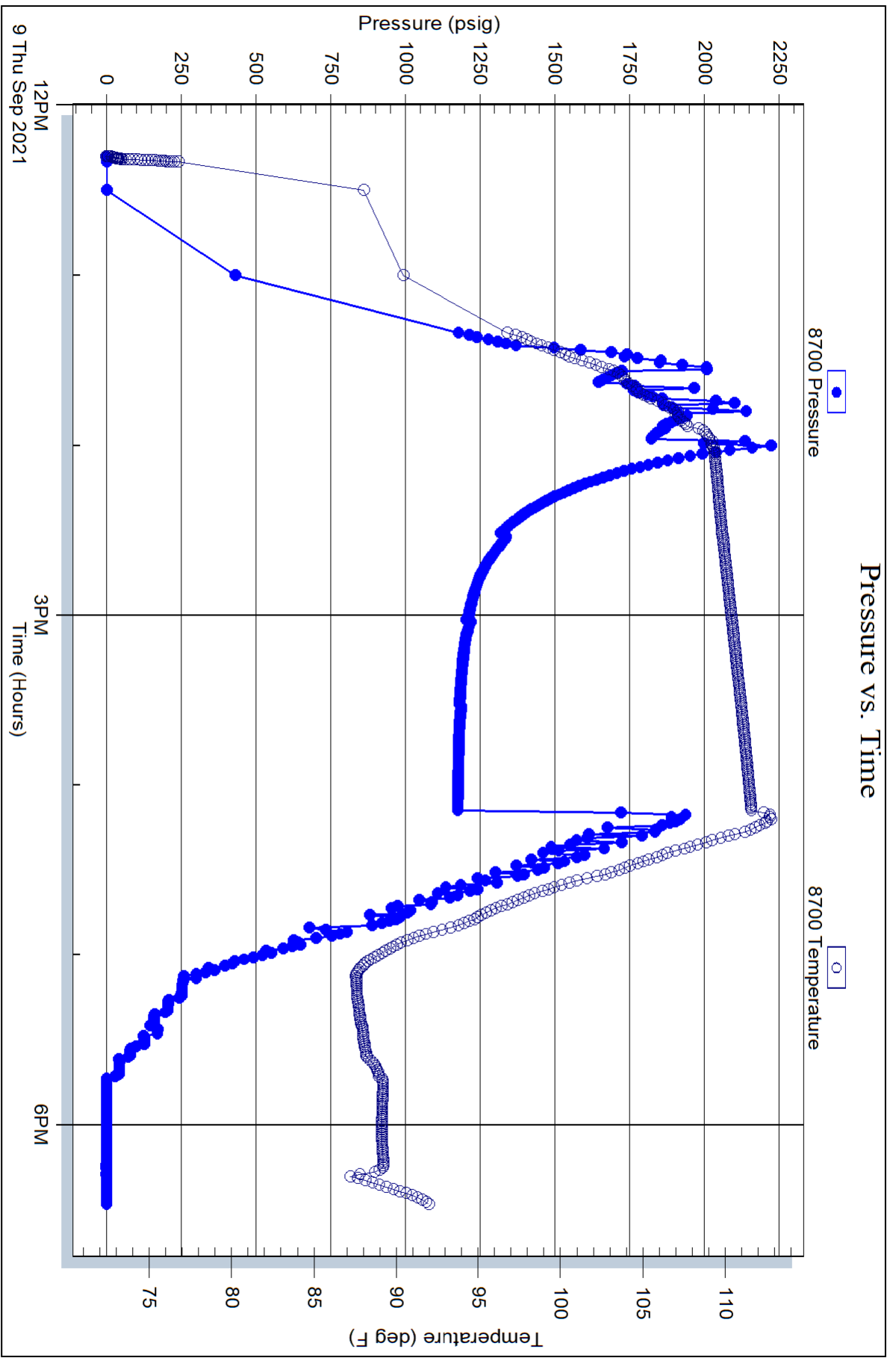
Serial #: 8700

Inside

John O Farmer Inc.

Desair Unit #1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 66702

Printed: 2021.09.09 @ 19:31:36



AUSTIN B. KLAUS



Cell 785.650.3629
Work 785.483.3145
Ext 225

PO BOX 352
Russell, KS 67665
austin.klaus@johnofarmer.com

Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: Desair Unit #1
API: 15-065-24203-0000
Location: Graham County
License Number:
Spud Date: 9/1/2021
Surface Coordinates: Section 8, Township 9 South, Range 21 West
2,720' FSL & 1,235' FEL
Bottom Hole Coordinates:
Ground Elevation (ft): 2,278
Logged Interval (ft): 3,200
Formation: Topeka - Arbuckle
Type of Drilling Fluid: Chemical (Mud Co.)

Region: Kansas
Drilling Completed: 9/9/2021
K.B. Elevation (ft): 2,286
Total Depth (ft): 3,870
To: RTD

Printed by StripLog from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

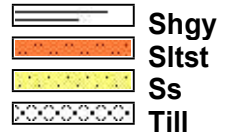
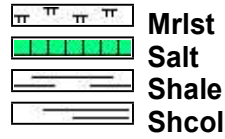
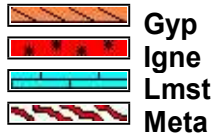
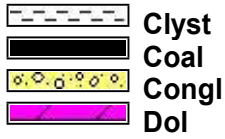
Company: John O. Farmer, Inc.
Address: P.O. Box 352
Russell, KS 67665

Comments

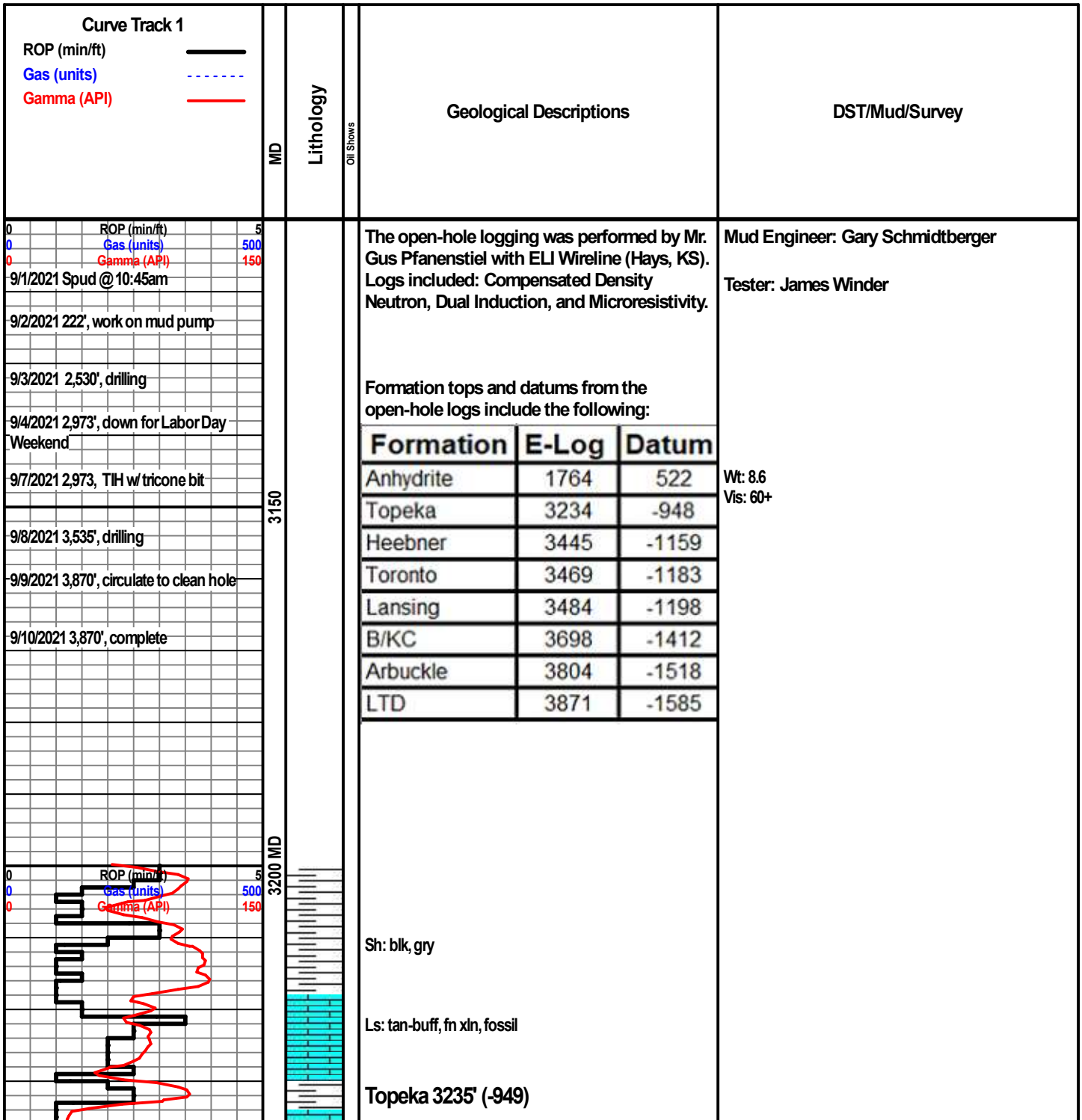
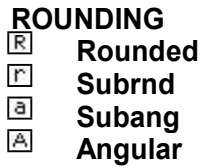
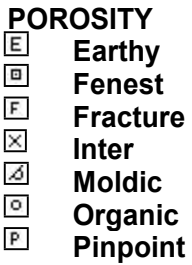
The Desair Unit #1 well was drilled by Discovery Drilling Rig #4 (Tool Pusher: Tom Alm).

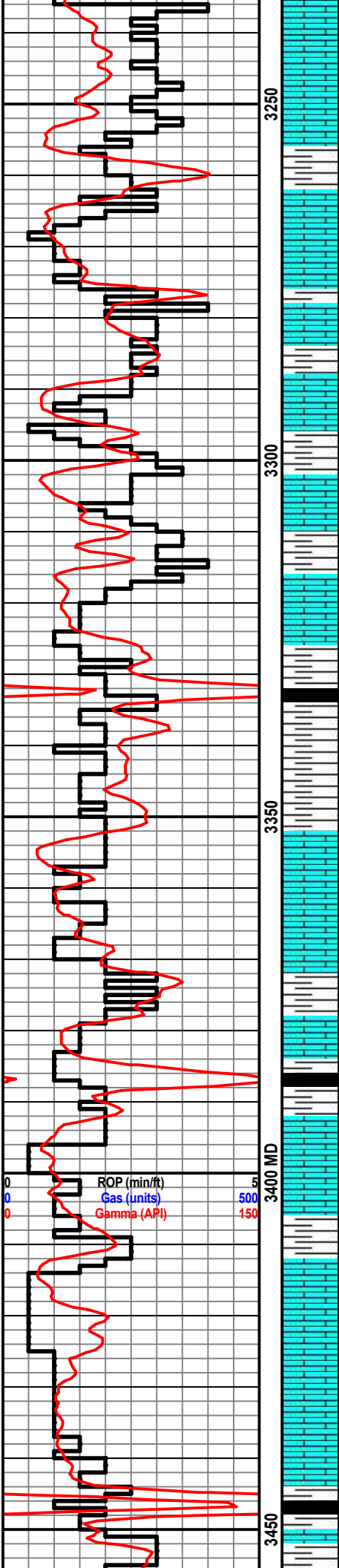
The location for the Desair Unit #1 was discovered via 3D seismic survey. Drill time was recorded and rock samples were gathered and evaluated from 3,200' - 3,870'. Oil shows were encountered in the Lansing C,F,I,J,K and Arbuckle. Structurally, the Lansing top was picked 2' low to the comparison well, Clack-Swenson B Unit #1 (2,700' FSL & 2,100' FWL). Structure thickened and the Arbuckle top was picked 19' low to the comparison well. However, the Desair Unit #1 was found to be considerably high to two D&A wells to the northeast and northwest. Upon completion of electric logs, a straddle test was run to evaluate the top 16' of the Arbuckle. This test recovered 535' gass muddy oil (see complete results below). After comprehensive evaluation of all oil shows, drill stem test results, & electric logs, the decision was made set 5-1/2" production casing to further evaluate the Desair Unit #1 on 9/10/2021.

ROCK TYPES



OTHER SYMBOLS





Ls: lt gry-buff, fn xln, fossil, scat chalk

Ls: ala

Sh: lt gry, blk

Ls: off wh-tan, fn xln, poor-fair pp vuggy porosity, scat oil strn, VSSFO, sl odor, scat chalk

Sh: lt gry, scat gm

Sh: lt gry

Ls: buff, fn xln, scat chert

Ls: buff, fn xln, scat foss, chalky

Sh: lt gry, blk

Sh: lt-gry, bm, scat sltst

Ls: buff, fn xln, scat foss, poor pp porosity

Ls: off wh-tan, fn xln, poor-fair int part porosity, NSFO

Sh: lt-drk gry

Sh: blk, carb

Ls: off wh-tan, fn xln, poor pp porosity, NSFO, scat foss

Ls: off wh-tan, fn xln, poor pp porosity, NSFO, scat chert

Ls: ala

Ls: lt gry-buff, fn xln, poor int part & scat pp vuggy porosity, NSFO, scat chalk

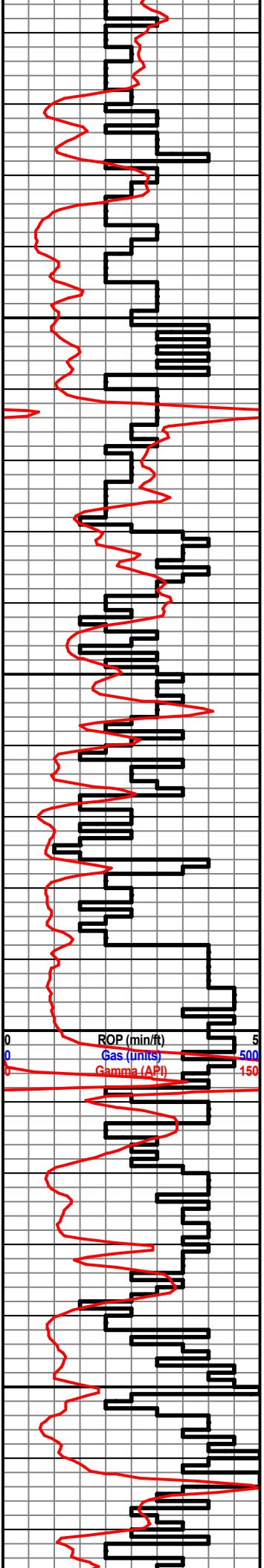
Heebner 3447' (-1161)

Sh: blk, carb, fissile

ROP (min/ft) 5
 Gas (units) 500
 Gamma (API) 150

3400 MD

3450



Sh: drk gry-bm, scat sltst

Toronto 3471' (-1185)

Ls: off wh-buff, fn xln, poor int part & pp vuggy porosity, NSFO, scat foss, chalky

Sh: lt-drk gry

Lansing 3486' (-1200)

Ls: off wh, fn xln, poor int part porosity, sl oil stn in porosity

Wt: 8.8
Vis: 60+

Ls: off wh-tan, fn xln, scat chalk

Sh: lt-drk gry, blk

Ls: off wh, fn xln, ool, foss, poor int part porosity, scat oil stn in porosity, VSSFO, sl odor

Sh: lt gry-bm

Ls: off wh, fn xln, ool, scat foss, poor int foss & int part porosity, sl oil stn, scat chalk

Ls: off wh, fn xln, ool, foss, poor int part porosity, scat oil stn, scat odor, chalky

Ls: off wh, fn xln, scat foss, poor-fair int foss & int part porosity, scat-fair oil stn, VSSFO, sl odor

Sh: lt gry-bm

Ls: off wh, fn xln, ool, scat chert, chalky

Sh: drk gry-blk

Ls: off wh-tan, fn xln, foss, poor int part porosity, NSFO

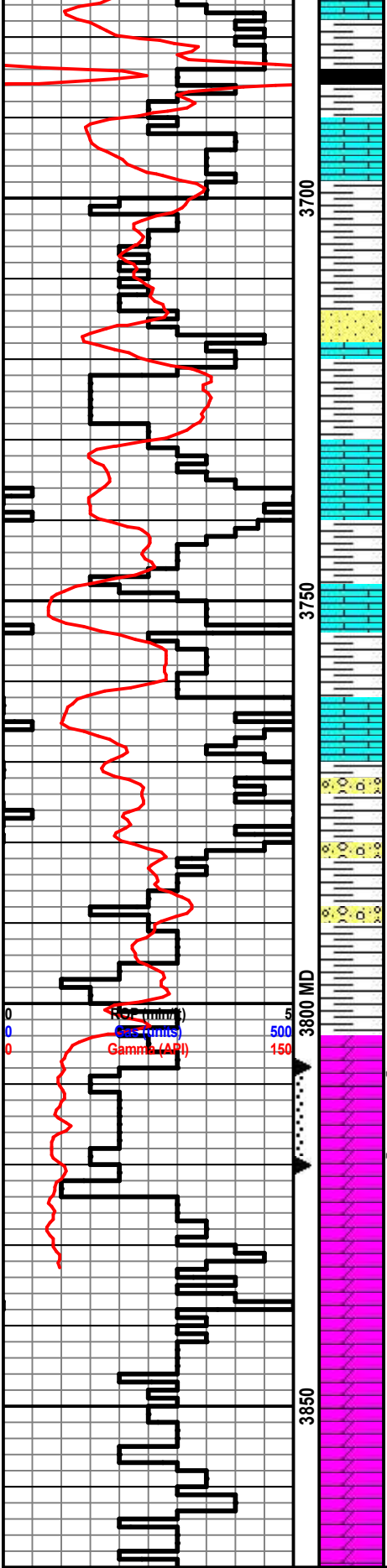
Sh: lt gry-bm

Ls: off wh-tan, fn xln, scat foss, poor int part porosity, scat dead oil stn, VSSFO, scat chert

Ls: off wh-tan, fn xln, ool, poor int part porosity, scat oil stn, few pcs w/ VSSFO, sl odor

Sh: lt-drk gry, bm

Ls: off wh-tan, fn xln, ool, foss, poor int part porosity, scat-fair oil stn, SSFO, sl odor, sl chalky



Ls: off wh, ool, poor int part porosity, chalky

B/KC 3700' (-1414)

Sh: lt gry, bm

Ss: fn gm, md, well sorted, well cemented, NSFO

Ls: tan-buff, fn xln, chert

Sh: lt gry

Ls: tan-gry, fn xln, scat chert

Sh: lt gry, bm

Sh: gm

Arbuckle 3800' (-1514)

Dolo: off wh, fn-md xln, poor int xln porosity, barren

Dolo: off wh, fn-md xln, fair-good sucrosic xln porosity, good oil sat, F-GSFO, fair-good odor, scat chert

Dolo: off wh, md xln, poor-fair int xln porosity, fair oil sat in porosity, SSFO, fair odor

Dolo: off wh, fn-md xln, scat strn in porosity, VSSFO, sl-fair odor, scat chert

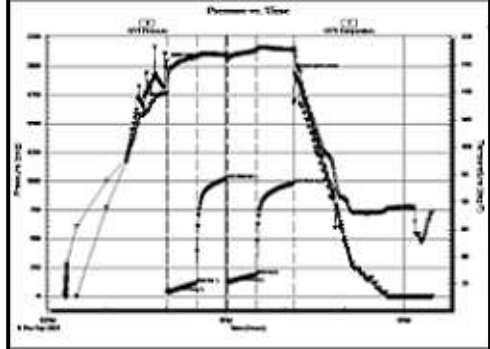
Dolo: off wh-tan, fn-md xln, barren, scat chert-off wh

Dolo: ala

Dolo: off wh-tan, fn-md xln, poor int xln porosity, barren, chert-off wh

DST #1 3,808 - 20' (Top 16' of Arbuckle)

30"-30"-30"-30"
 IF: BOB in 7.25 minutes, .5" blow back on SI
 FF: BOB in 17.25 minutes, .5" blow back on SI
 Rec: 31' Gas in Pipe
 472' SI Mud Cut Gassy Oil (2%/m, 13%/g, 85%/o)
 63' Gas Cut Muddy Oil (11%/g, 40%/m, 49%/o)
 FP: 35-115, 121-189#
 SIP: 1018-980#
 HP: 2,034-1,940#
 BHT: 117



Wt: 9.4
 Vis: 60+

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 2425

Date	9-1-21	Sec.	8	Twp.	9	Range	21	County	Graham	State	Ks	On Location		Finish	4:00 PM
------	--------	------	---	------	---	-------	----	--------	--------	-------	----	-------------	--	--------	---------

Location *Boyer 2.5 3/4 E*

Lease *DESCAIR Unit* Well No. *1* Owner

Contractor *Discovery* To Quality Oilwell Cementing, Inc.
Type Job *SURFACE* You are hereby requested to rent cementing equipment and furnish
cement and helper to assist owner or contractor to do work as listed.

Hole Size *12 1/4* T.D. *224* Charge To *J.O. FARMER*

Csg. *8 5/8* Depth Street

Tbg. Size Depth City State

Tool Depth The above was done to satisfaction and supervision of owner agent or contractor.

Cement Left in Csg. *13.2* Shoe Joint Cement Amount Ordered *1500 8 5/8 3-2*

Meas Line Displace

EQUIPMENT

Pumptrk <i>17</i>	No.	Cementer	<i>Boy</i>	Common	<i>120</i>
		Helper		Poz. Mix	<i>30</i>
Bulktrk	No.	Driver	<i>Clay</i>	Gel.	<i>3</i>
		Driver		Calcium	<i>6</i>
Bulktrk <i>14</i>	No.	Driver	<i>Doug</i>		
		Driver			

JOB SERVICES & REMARKS

Remarks:

Rat Hole

Mouse Hole

Centralizers

Baskets

D/V or Port Collar

Ran 5 Jts 8 5/8 set @ 222'

Handling *159*

Mileage

Cent w/ 1500
Pump plug w/ 1 3/4 bbls
Cent did circ.

FLOAT EQUIPMENT

Guide Shoe

Centralizer

Baskets

AFU Inserts

Float Shoe

Latch Down

Pumptrk Charge *Sur Face*

Mileage *46*

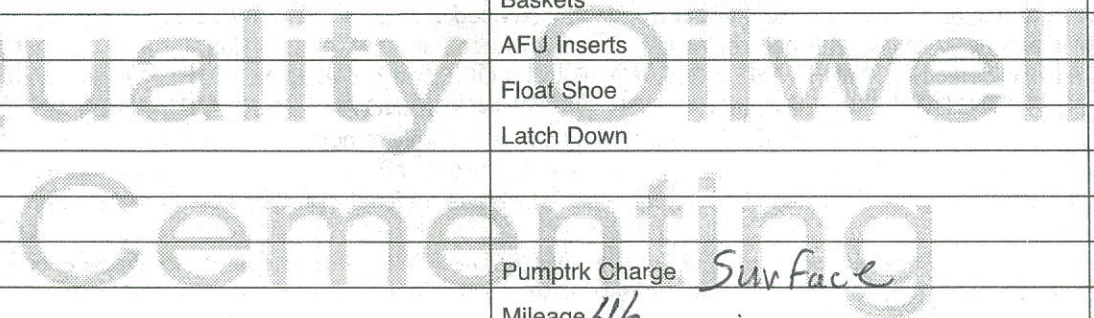
Signature *[Signature]*

Thanks *[Signature]*

Tax

Discount

Total Charge



QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

RECEIVED SEP 17 2011 No. 2480

Date	Sec.	Twp.	Range	County	State	On Location	Finish
9-10-21	8	9	21	Osage	Ks		7:30 AM

Location S. Begue to L Rd 3/4 E

Lease	Well No.	Owner	
Desair Unit	1	To Quality Oilwell Cementing, Inc.	
Contractor		You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.	
Discovery			
Type Job			
Prod Csg			
Hole Size	T.D.	Charge To	
15.5	3870	J.O. Farmer	
Csg.	Depth	Street	
58			
Tbg. Size	Depth	City	
		State	
Tool	Depth	The above was done to satisfaction and supervision of owner agent or contractor.	
Cement Left in Csg.	Shoe Joint	Cement Amount Ordered	
30	30	1759 Cum 10% Salt S ⁺ Gilsou ¹⁰	
Meas Line	Displace		
	91.3	500941 MF	

EQUIPMENT

Pumptrk	No.	Cementer	Common
		Helper	
Bulktrk	No.	Driver	Poz. Mix
		Driver	
Bulktrk	No.	Driver	Gel.
		Driver	
			Calcium

JOB SERVICES & REMARKS

Remarks:	Hulls
	Salt
Rat Hole 30	Flowseal
Mouse Hole 15	Kol-Seal
Centralizers	Mud CLR 48
Baskets	CFL-117 or CD110 CAF 38
D/V or Port Collar (1767)	Sand
Pipeset @ 3868	Handling
Shoe Jt 30	Mileage
Insert @ 3838	

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	6
Baskets	2
AFU Inserts	
Float Shoe	1
Latch Down	1
PORT Collar	

Pumptrk Charge	
Mileage	
	Tax
	Discount
	Total Charge

X Signature Ann W. [unclear]

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 2553

Date	Sec.	Twp.	Range	County	State	On Location	Finish
9-28-21	8	9	21	Grham	KV		11:00 AM

Location Boxe & Redline Jt. 4N 1E

Lease	DESQIR Unit	Well No.	1	Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
Contractor	NUS			Charge To	J. O. FARREN
Type Job	Port Collar			Street	
Hole Size		T.D.		City	State
Csg.	5 1/2	Depth		The above was done to satisfaction and supervision of owner agent or contractor.	
Tbg. Size	2 3/8	Depth		Cement Amount Ordered	375 @ 20 QMPC/4#
Tool		Depth			
Cement Left in Csg.		Shoe Joint			

Meas Line	Displace		Used 180
EQUIPMENT			Common 180 @ 20 QMPC
Pumptrk	No.	Cement Helper	20
			Bill
Bulktrk	No.	Driver	
			Chris
Bulktrk	No.	Driver	21
			Doug

JOB SERVICES & REMARKS		Hulls
Remarks:		Salt
Rat Hole		Flowseal 75#
Mouse Hole		Kol-Seal
Centralizers		Mud CLR 48
Baskets		CFL-117 or CD110 CAF 38
D/V or Port Collar		Sand
		Handling 375
		Mileage

FLOAT EQUIPMENT	
	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down

Pumptrk Charge	port collar
Mileage	46

Signature <u>Buana Cochran</u>	Tax
	Discount
	Total Charge

THANKS